

4.2.B. 0801020704.

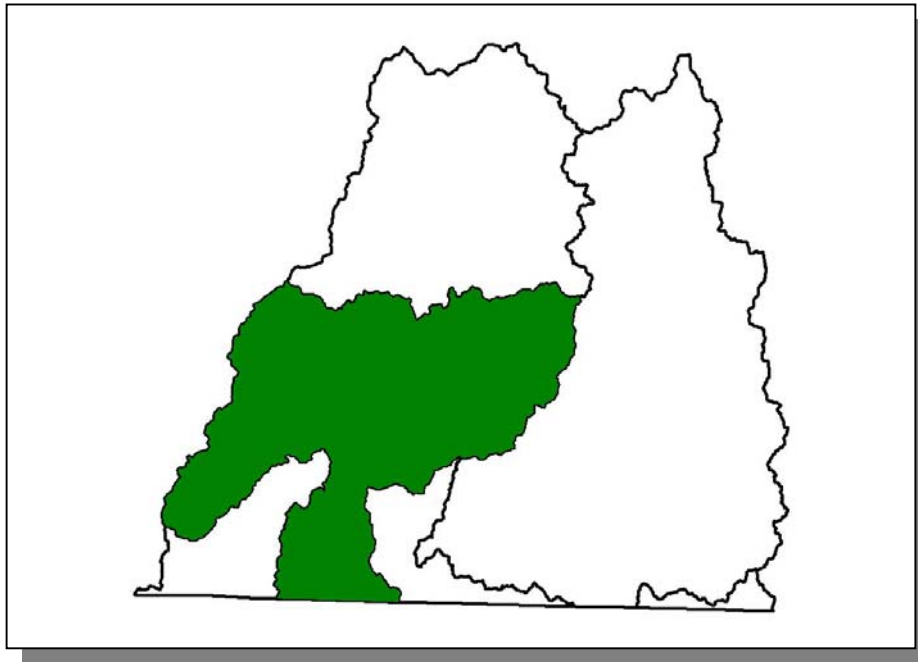


Figure 4-14. Location of Subwatershed 0801020704. All Little Hatchie River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.B.i. 080102070401 (Hatchie River).

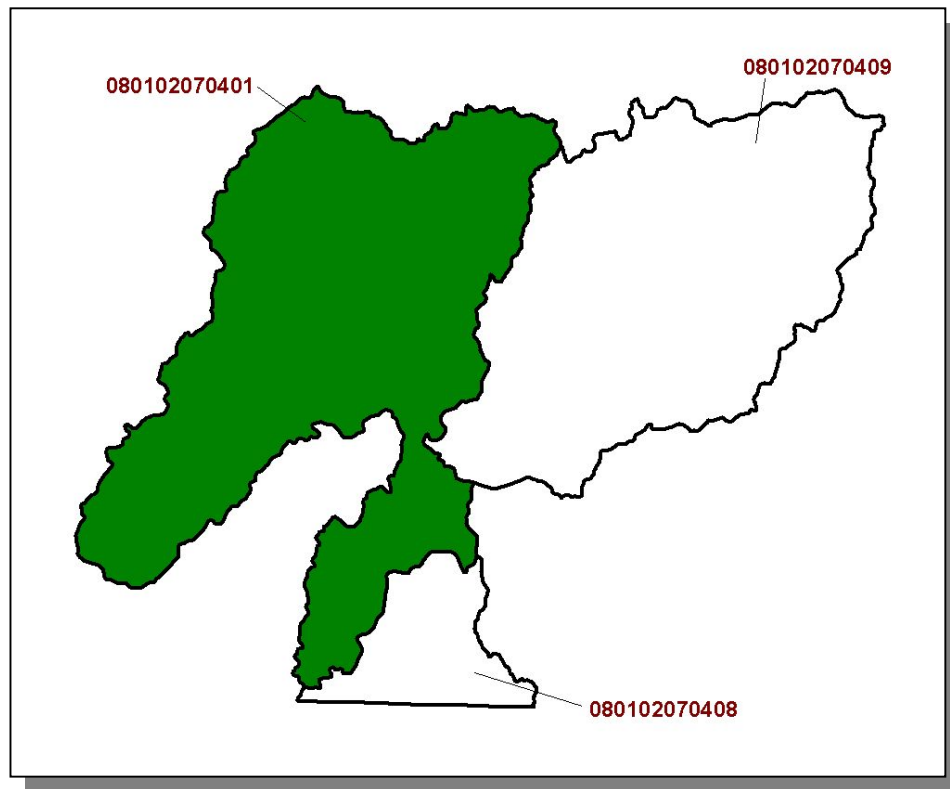


Figure 4-15. Location of Subwatershed 080102070401. All HUC-12 subwatershed boundaries in Tennessee are shown for reference.

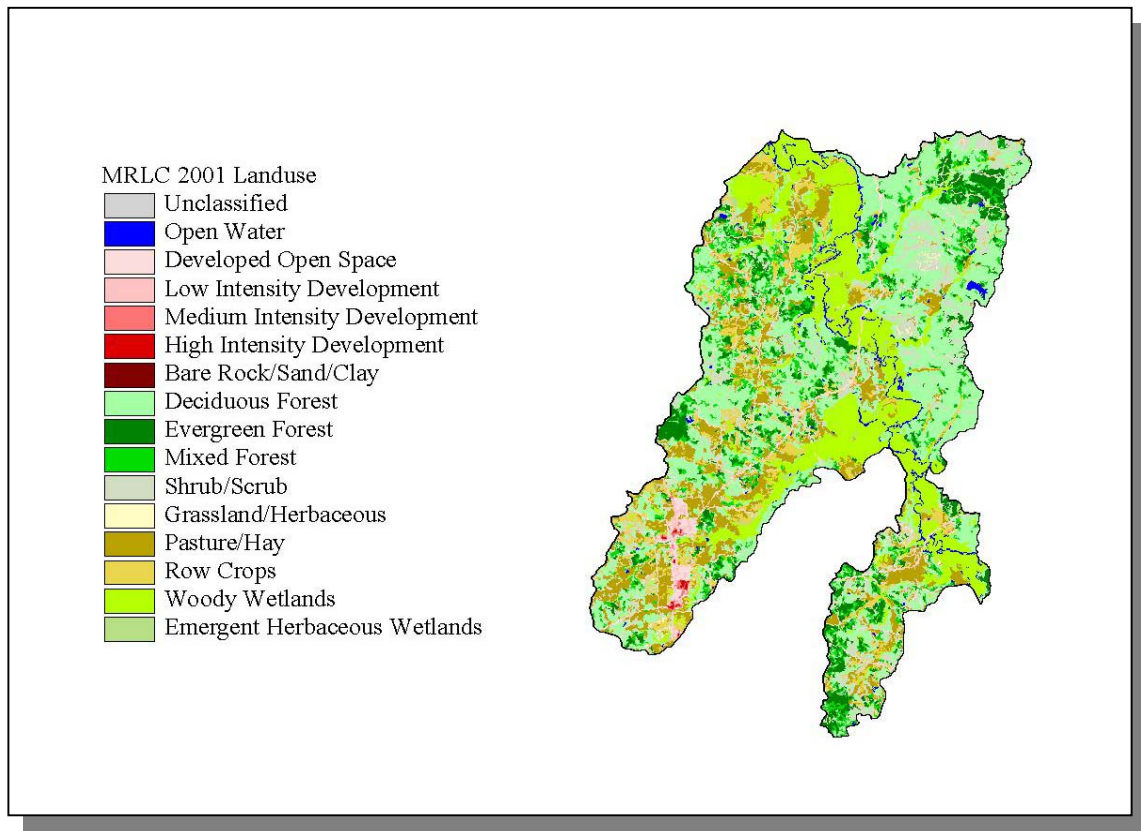


Figure 4-16. Illustration of Land Use Distribution in Subwatershed 080102070401.

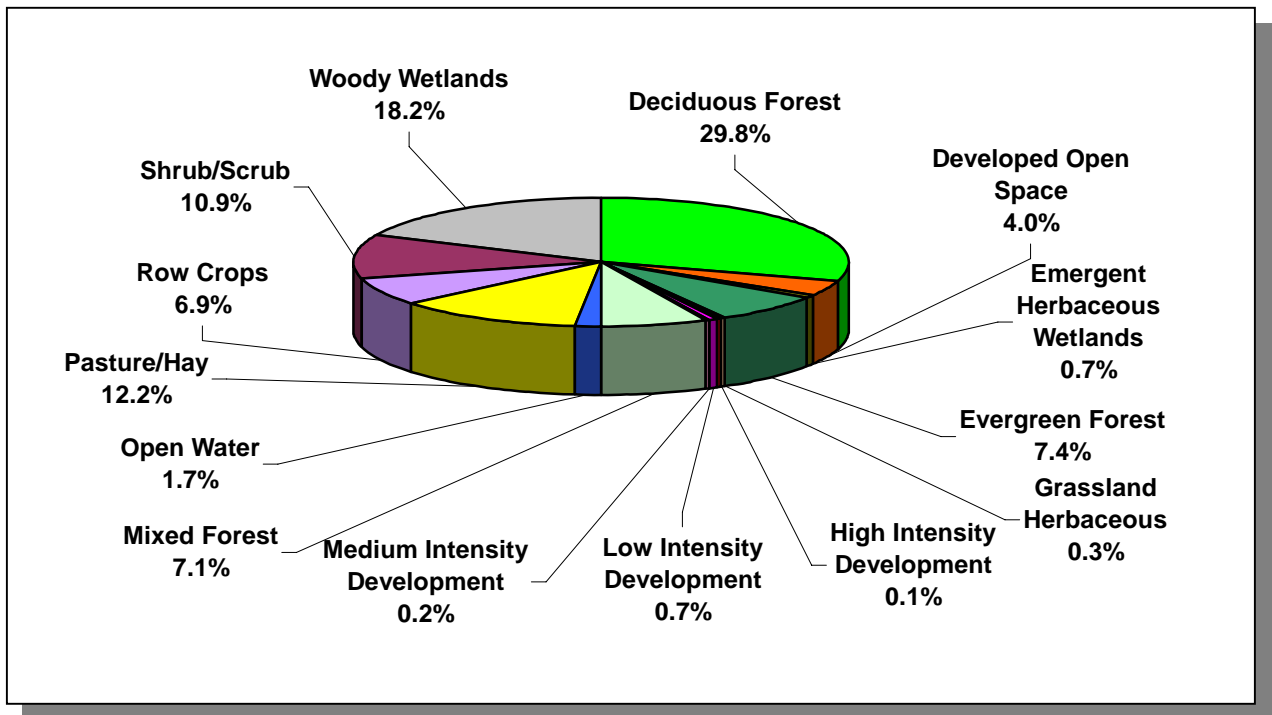


Figure 4-17. Land Use Distribution in Subwatershed 080102070401. More information is provided in Appendix IV.

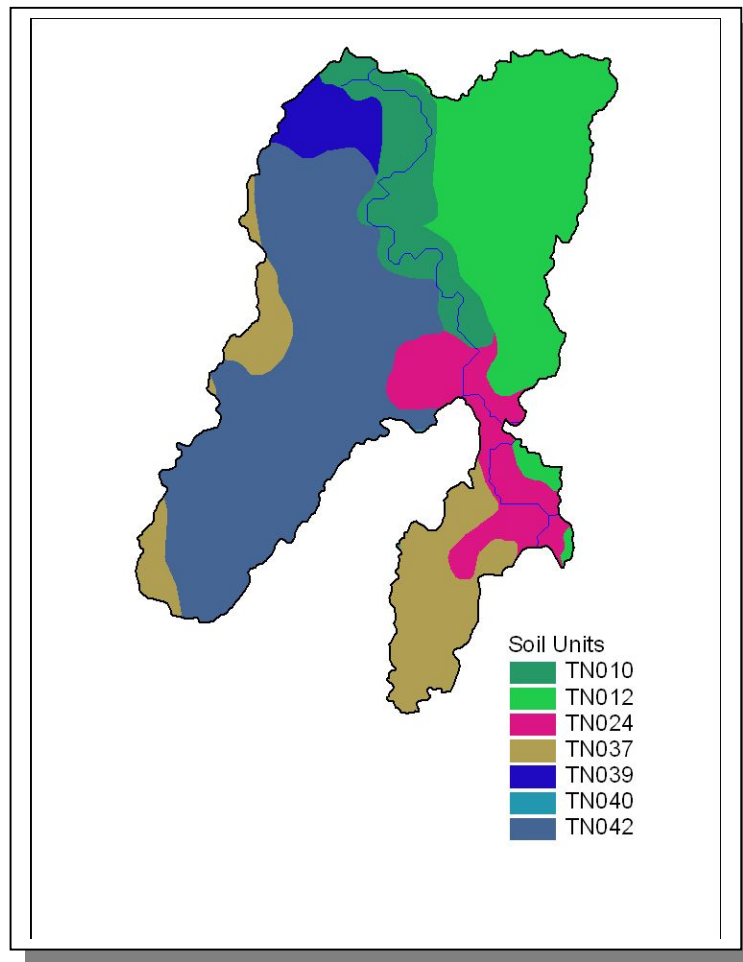


Figure 4-18. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070401.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN024	61.00	D	2.18	5.35	Loam	0.29
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN039	24.00	C	1.35	5.20	Silty Loam	0.47
TN040	40.00	C	1.33	5.18	Silty Loam	0.38
TN042	0.00	C	2.53	5.11	Silty Loam	0.34

Table 4-19. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070401. The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	7.79	1,820	1,923	2,188	20.2
Mcnairy	22,422	23,678	24,653	1.31	293	310	322	9.9
Total	45,799	48,380	52,758		2,113	2,233	2,510	18.8

Table 4-20. Population Estimates in Subwatershed 080102070401.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Middleton	Hardeman	531	258	213	45	0

Table 4-21. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102070401.

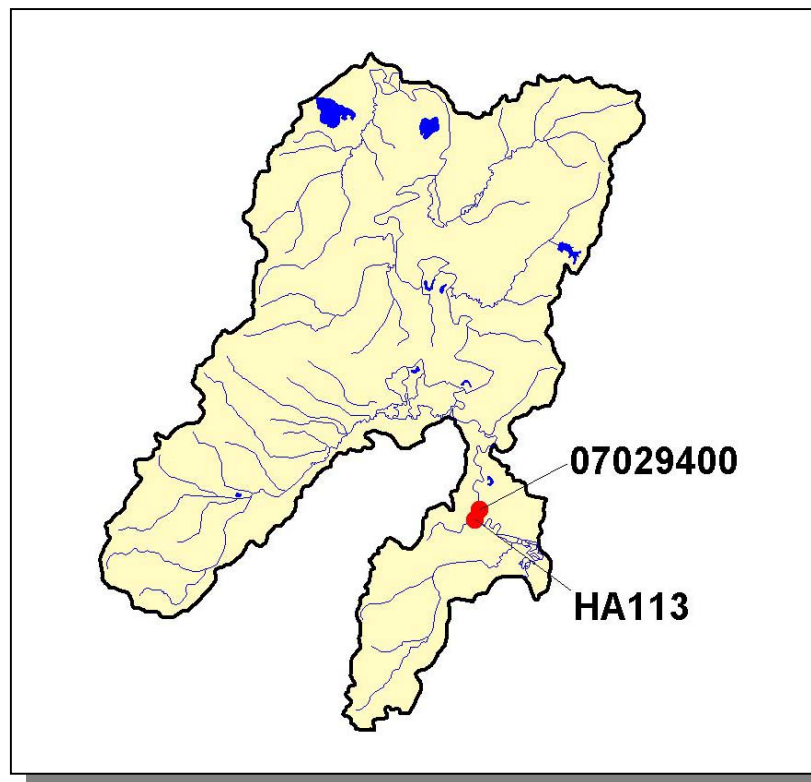


Figure 4-19. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102070401. More information is provided in Appendix IV.

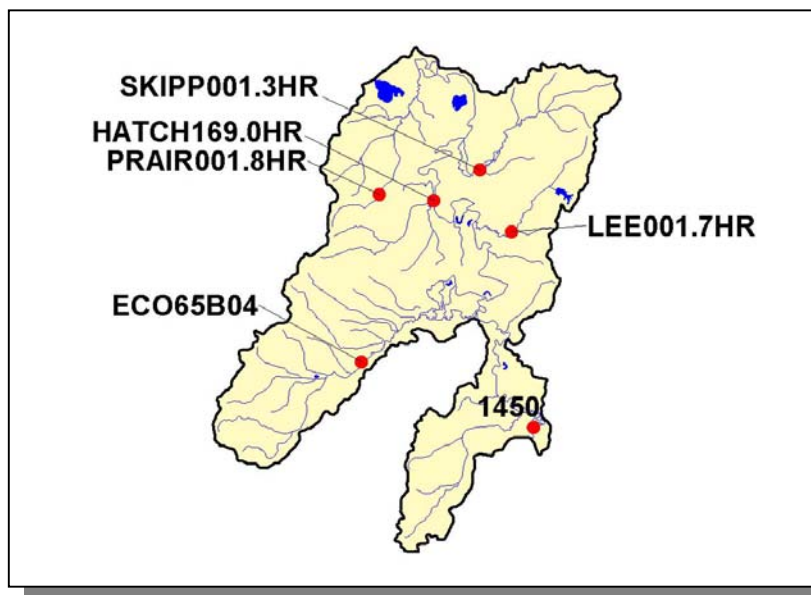


Figure 4-20. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102070401. More information, including site names and locations, is provided in Appendix IV.

4.2.B.i.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.B.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,306	2,258	9	<5	754	20

Table 4-22. Summary of Livestock Count Estimates in Subwatershed 080102070401.
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144
McNairy	5,659	10,365	7	491	11,346	98

Table 4-23. Summary of Livestock Count Estimates in Hardeman and McNairy Counties.
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.15
Grass (Hayland)	0.35
Legumes, Grass (Hayland)	0.07
Legumes (Hayland)	0.13
Grass, Forbs, Legumes (Mixed Pasture)	1.01
Corn (Row Crops)	11.35
Cotton (Row Crops)	23.26
Sorghum (Row Crops)	3.11
Soybeans (Row Crops)	12.49
Wheat (Close-Grown Cropland)	13.42
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	3.99
Conservation Reserve Program Lands	0.28
Farmsteads and Ranch Headquarters	0.86

Table 4-24. Annual Estimated Total Soil Loss in Subwatershed 080102070401.

4.2.B.ii. 080102070408 (Hatchie River).

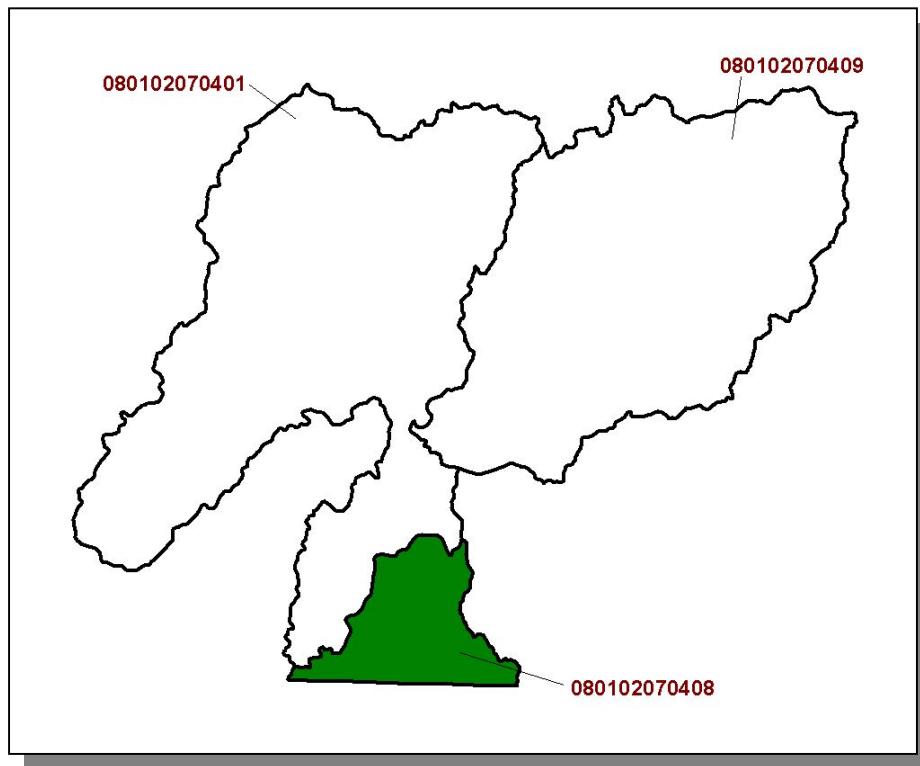


Figure 4-21. Location of Subwatershed 080102070408. All HUC-12 subwatershed boundaries in Tennessee are shown for reference.

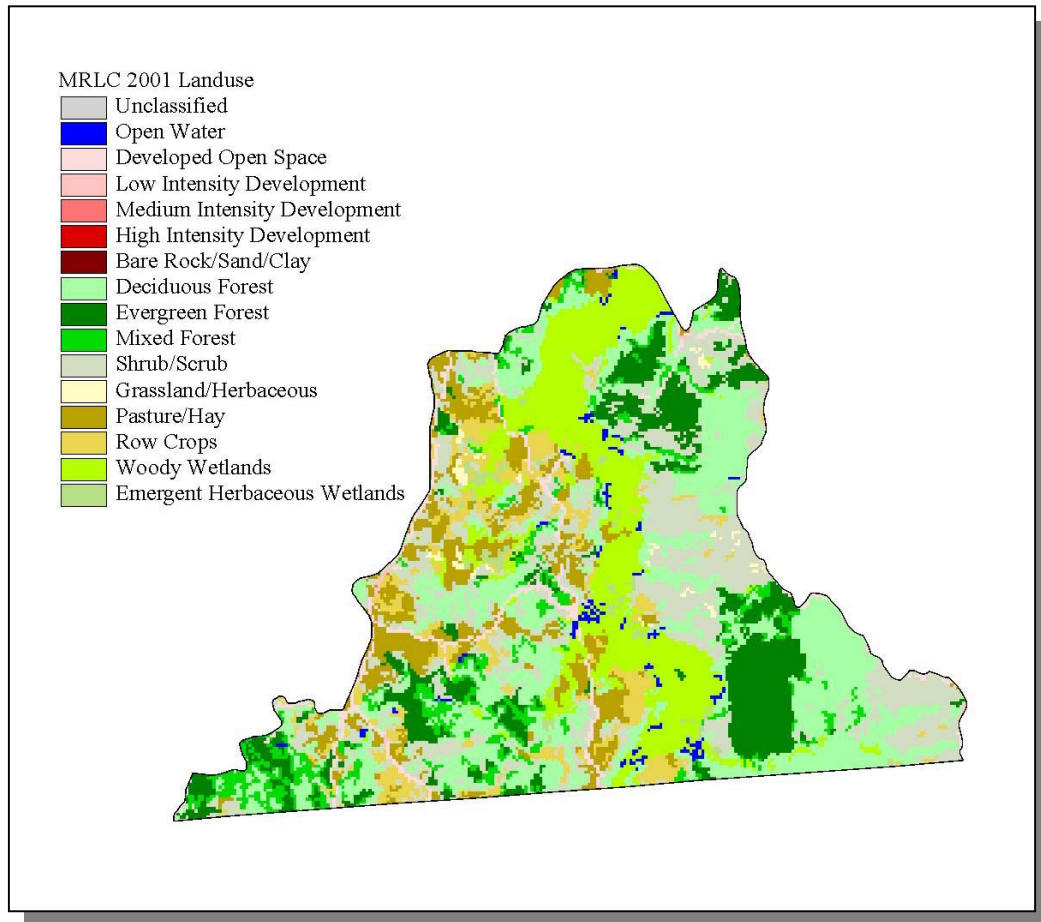


Figure 4-22. Illustration of Land Use Distribution in Subwatershed 080102070408.

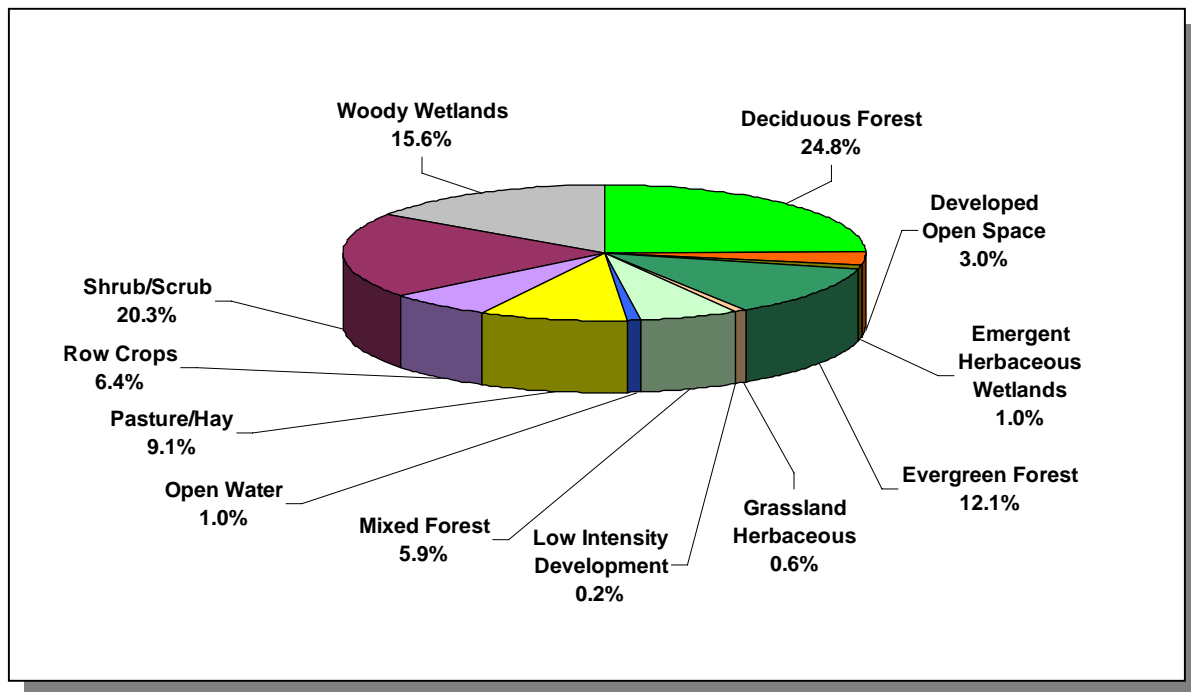


Figure 4-23. Land Use Distribution in Subwatershed 080102070408. More information is provided in Appendix IV.

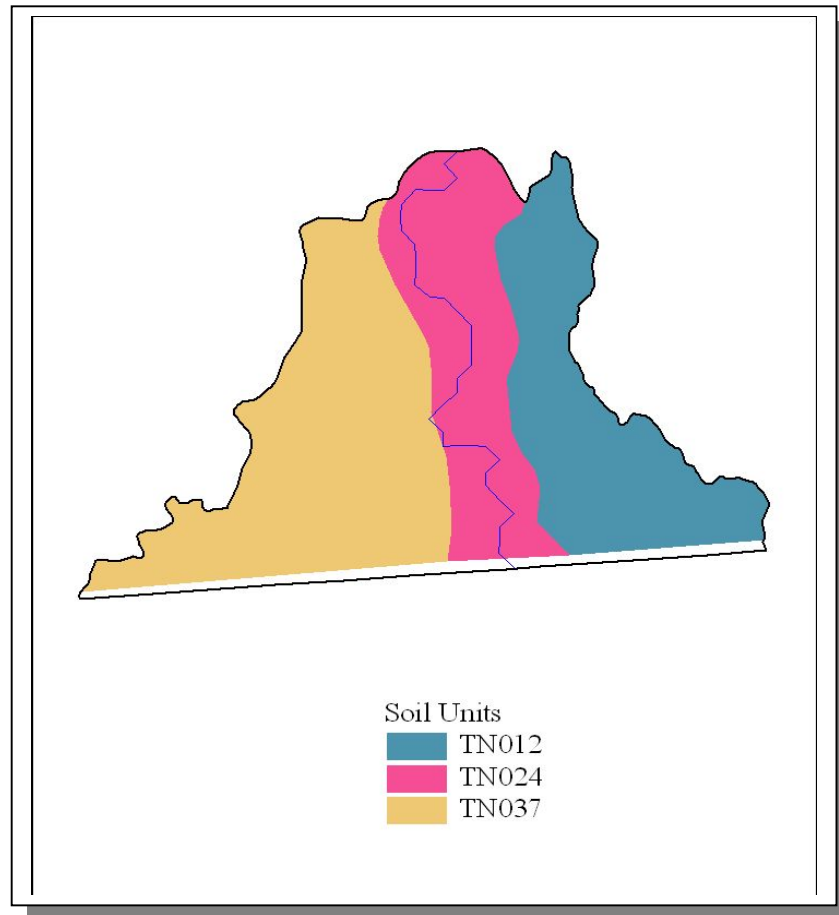


Figure 4-24. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070408.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN024	61.00	D	2.18	5.35	Loam	0.29
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

Table 4-25. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070408. The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	0.61	142	150	171	20.4
McNairy	22,422	23,678	24,653	0.33	75	79	82	9.3
Total	45,799	48,380	52,758		217	229	253	16.6

Table 4-26. Population Estimates in Subwatershed 080102070408.

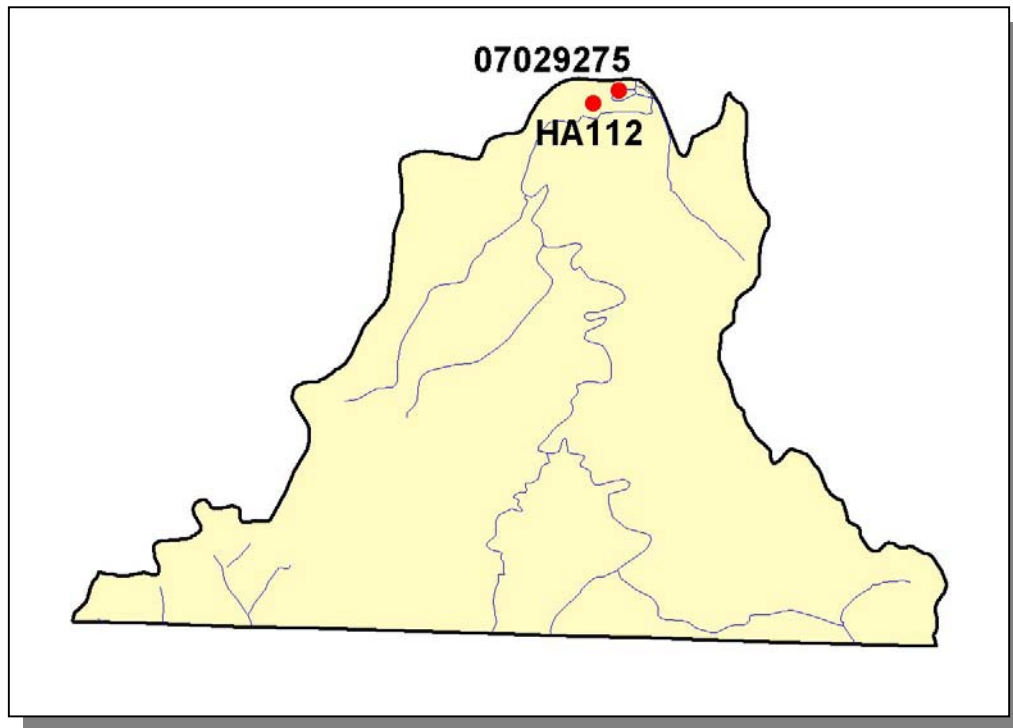


Figure 4-25. Location of Historical Streamflow Data Collection Sites in Subwatershed 080102070408. More information is provided in Appendix IV.

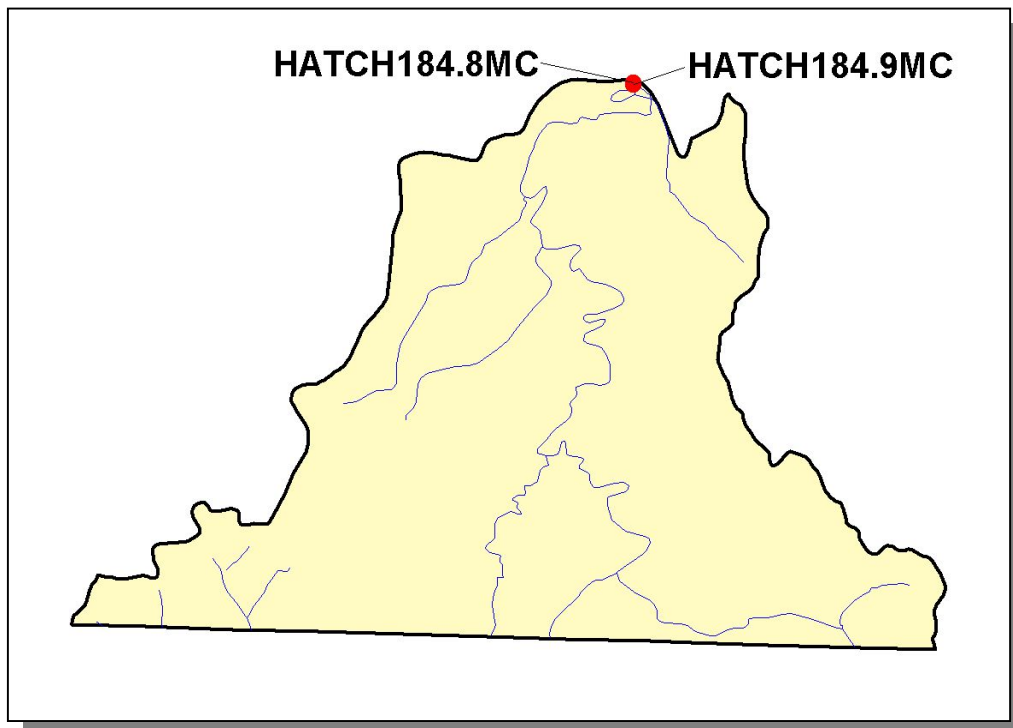


Figure 4-26. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102070408. More information, including site names and locations, is provided in Appendix IV.

4.2.B.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.B.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
177	309	<5	<5	95	<5

Table 4-27. Summary of Livestock Count Estimates in Subwatershed 080102070408.
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144
McNairy	5,659	10,365	7	491	11,346	98

Table 4-28. Summary of Livestock Count Estimates in Hardeman and McNairy Counties.
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.95
Grass (Hayland)	0.53
Legumes, Grass (Hayland)	0.07
Legumes (Hayland)	0.40
Grass, Forbs, Legumes (Mixed Pasture)	0.94
Corn (Row Crops)	9.76
Cotton (Row Crops)	17.22
Sorghum (Row Crops)	3.22
Soybeans (Row Crops)	10.19
Wheat (Close-Grown Cropland)	10.90
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	3.09
Conservation Reserve Program Lands	0.68
Farmsteads and Ranch Headquarters	0.56

Table 4-29. Annual Estimated Total Soil Loss in Subwatershed 080102070408.

4.2.B.iii. 080102070409 (Mosses Creek).

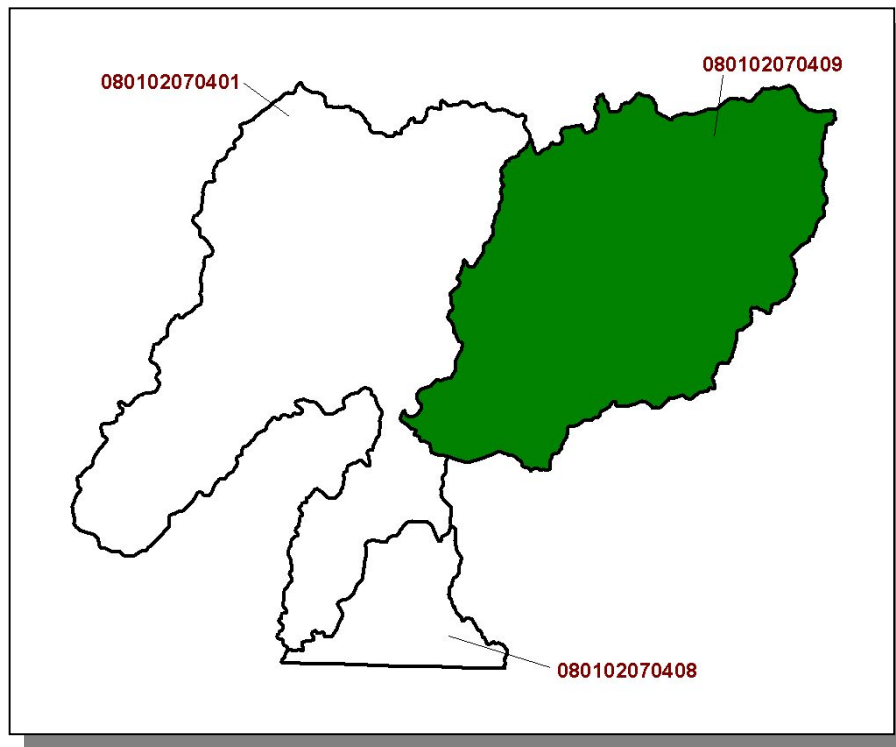


Figure 4-27. Location of Subwatershed 080102070409. All HUC-12 subwatershed boundaries are shown for reference.

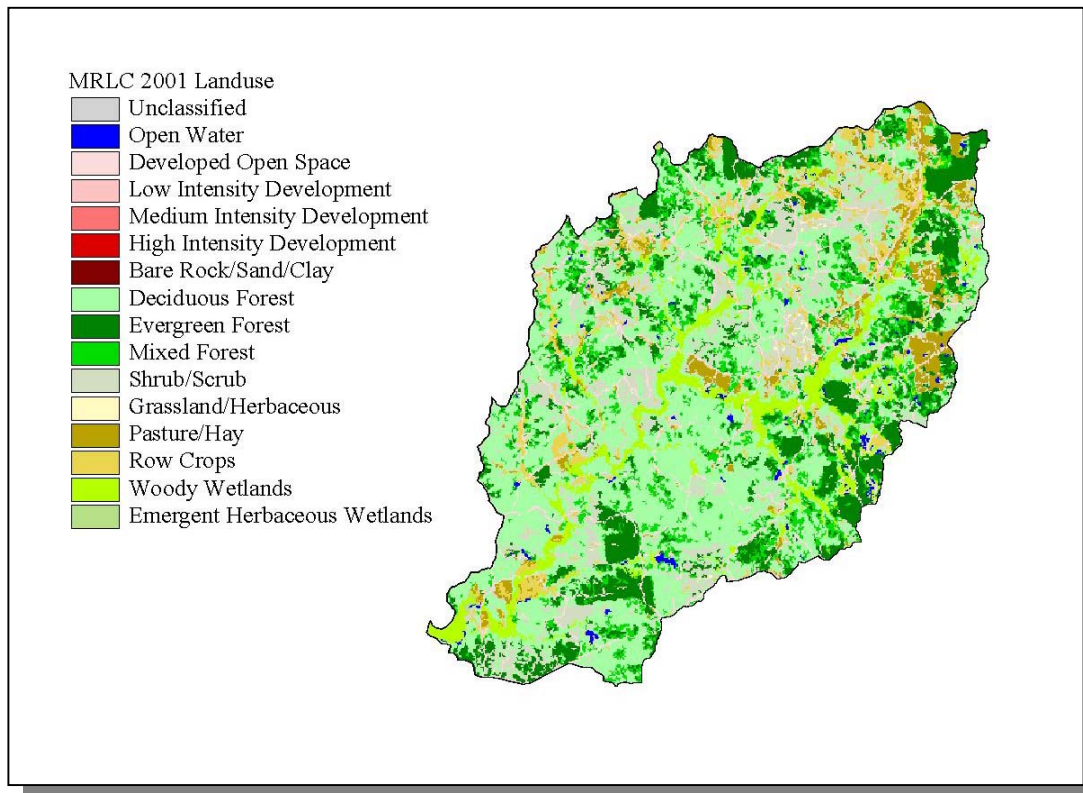


Figure 4-28. Illustration of Land Use Distribution in Subwatershed 080102070409.

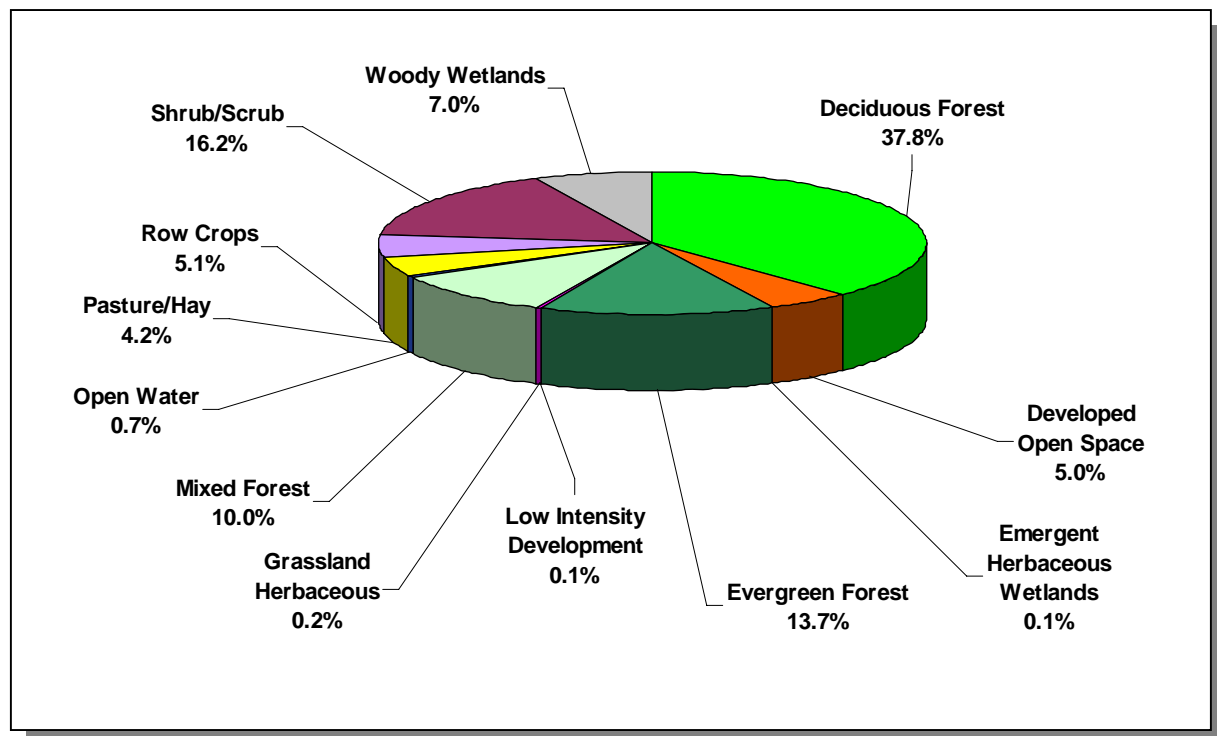


Figure 4-29. Land Use Distribution in Subwatershed 080102070409. More information is provided in Appendix IV.

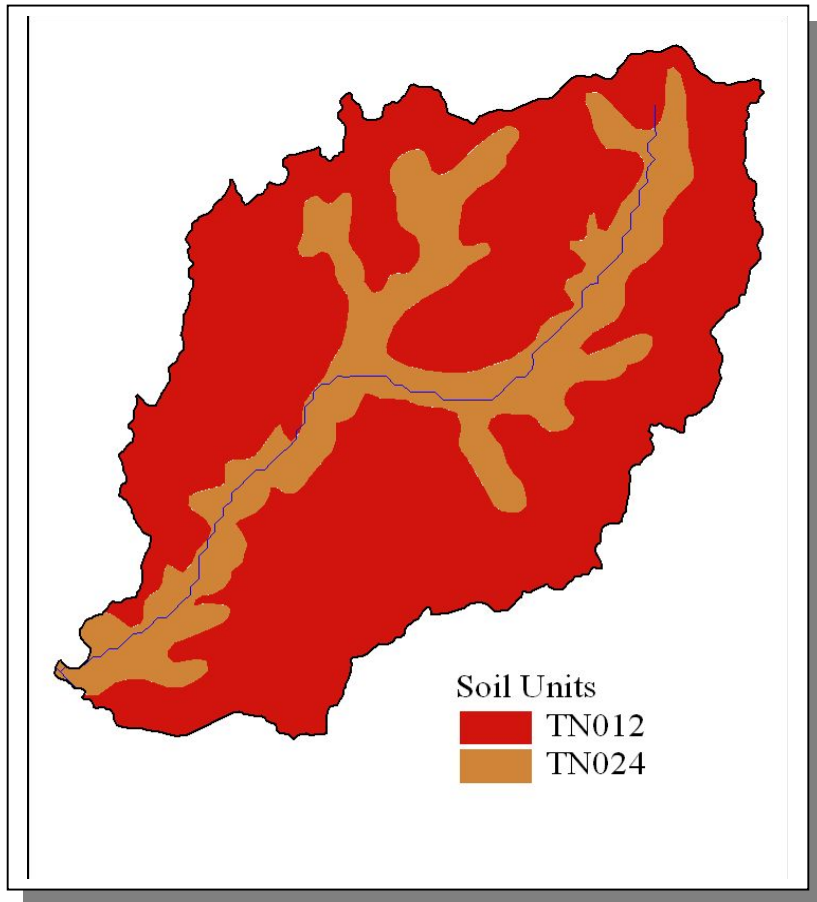


Figure 4-30. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070409.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN024	61.00	D	2.18	5.35	Loam	0.29

Table 4-30. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070409. The definition of "Hydrologic Group" is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	0.06	15	16	18	20
McNairy	22,422	23,678	24,653	8.61	1,932	2,040	2,124	9.9
Total	45,799	48,380	52,758		1,947	2,056	2,142	10.0

Table 4-31. Population Estimates in Subwatershed 080102070409.

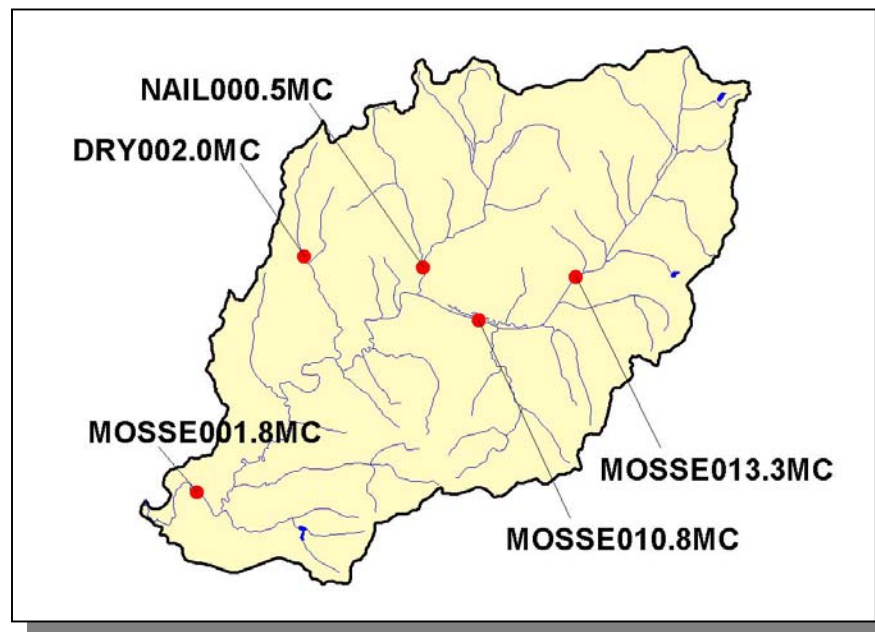


Figure 4-31. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102070409. More information, including site names and locations, is provided in Appendix IV.

4.2.B.iii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.B.iii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Chickens (Layers)	Hogs	Sheep
254	465	<5	506	<5

Table 4-32. Summary of Livestock Count Estimates in Subwatershed 080102070409.
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144
McNairy	5,659	10,365	7	491	11,346	98

Table 4-33. Summary of Livestock Count Estimates in Hardeman and McNairy Counties.
According to the 1997 Census of Agriculture (<http://www.agcensus.usda.gov/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.56
Grass (Hayland)	0.06
Legumes, Grass (Hayland)	0.07
Legumes (Hayland)	0.12
Grass, Forbs, Legumes (Mixed Pasture)	0.59
Corn (Row Crops)	11.03
Cotton (Row Crops)	5.63
Sorghum (Row Crops)	3.61
Soybeans (Row Crops)	9.79
Wheat (Close-Grown Cropland)	2.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	2.29
Conservation Reserve Program Lands	0.28
Farmsteads and Ranch Headquarters	0.11

Table 4-34. Annual Estimated Total Soil Loss in Subwatershed 080102070409.